

Samsung Cheil Industries Infino[®] TK-6036H PPA, Glass Filled

Category : Polymer , Thermoplastic , Polyphthalamide (PPA) , Polyphthalamide (PPA), 10% Glass Fiber Reinforced

Material Notes:

Information provided by Samsung Cheil Industries.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Samsung-Cheil-Industries-Infino-TK-6036H-PPA-Glass-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.48 g/cc	1.48 g/cc	ASTM D792
Melt Flow	50 g/10 min @Load 2.16 kg, Temperature 330 °C	50 g/10 min @Load 4.76 lb, Temperature 626 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	98.1 MPa	14200 psi	5 mm/min; ASTM D638
Flexural Strength	147 MPa	21300 psi	2.8 mm/min; ASTM D790
Flexural Modulus	5.88 GPa	853 ksi	2.8 mm/min; ASTM D790
Izod Impact, Notched	0.294 J/cm @Thickness 3.17 mm	0.551 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	290 °C @Thickness 6.40 mm	554 °F @Thickness 0.252 in	ASTM D648

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